

UAB VASCULAR BIOLOGY AND HYPERTENSION RESEARCH SYMPOSIUM

**Sandestin Beach Hilton
5540 Highway 98 East
Destin, Florida 32541
(904) 267-9500
(800) 367-1271 (Outside Florida)
October 8-10, 1993**

Friday, October 8, 1993

PALM BEACH -- Lower Level

HYPOXIA SENSITIVE GENES

Chairman: Suzanne Oparil, M.D., Professor of Medicine
Director, Vascular Biology and Hypertension Program
University of Alabama at Birmingham

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| 2:00 - 2:15 p.m. | Introduction - Suzanne Oparil, M.D. |
| 2:15 - 3:00 p.m. | Regulation of Endothelial Cell Function by Oxygen Tension
Douglas V. Faller, Ph.D., M.D.
Director, Cancer Center
Professor of Medicine, Pediatrics, Biochemistry, Pathology
and Laboratory Medicine
Boston University School of Medicine, Boston, MA |
| 3:00 - 3:45 p.m. | Erythropoietin: A Physiologically Important Oxygen-Responsive Gene
H. Franklin Bunn, M.D.
Professor of Medicine
Harvard Medical School
Research Director, Hematology Division
Brigham and Women's Hospital, Boston, MA |
| 3:45 - 4:00 p.m. | Break - Palm Beach - Lower Level |
| 4:00 - 4:45 p.m. | Hypoxia Regulated Peptide Systems - Natriuretic Peptides
Nicholas S. Hill, M.D.
Associate Professor of Medicine
Division of Pulmonary and Critical Care Medicine
Brown University and Rhode Island Hospital
Providence, RI |
| 4:45 - 5:30 p.m. | Heart Muscle Regeneration: Can it be Achieved by Controlled Myocyte Cell Division?
William C. Claycomb, Ph.D.
Professor of Biochemistry and Molecular Biology
Louisiana State University Medical Center
New Orleans, LA |
| 5:30 - 6:00 p.m. | Discussion/Summation |
| | Free Evening |

Saturday, October 9, 1993

PALM BEACH -- Lower Level

NEURAL CONTROL OF CARDIOVASCULAR FUNCTION

Chairman: J. Michael Wyss, Ph.D.
Professor, Department of Cell Biology
University of Alabama at Birmingham

4:00 - 4:45 p.m. **Decreased Neural Activity in Anterior Hypothalamic Area Contributes to NaCl Sensitive Hypertension in the Spontaneously Hypertensive Rat.**

J. Michael Wyss, Ph.D.
Professor, Department of Cell Biology
University of Alabama at Birmingham
Birmingham, AL

4:45 - 5:30 p.m. **Autonomic Control of Heart Rate: Role of the Intrinsic Cardiac Ganglia**

David J. Adams, Ph.D.
Professor, Dept. of Molecular & Cellular Pharmacology
University of Miami School of Medicine
Miami, FL

5:30 - 6:15 p.m. **Sympathetic and Vascular Responses to Insulin**

Erling A. Anderson, Ph.D.
Associate Professor, Department of Anesthesia
University of Iowa
Iowa City, IA

6:15 - 7:00 p.m. **Vascular Alpha Adrenergic Tone in Obesity and Salt Sensitive Hypertension**

Brent M. Egan, M.D.
Associate Professor, Department of Pharmacology and Medicine
Head of Hypertension
Medical University of South Carolina
Charleston, SC

7:00 p.m. **Reception - Poolside**

8:00 p.m. **Dinner - Poolside**

Sunday, October 10, 1993

7:30 - 8:30 a.m.

Breakfast - Lounge- Lobby Level

PALM BEACH -- Lower Level

NEWER APPROACHES TO THE PATHOGENESIS AND TREATMENT OF VASCULAR DISEASE AND HYPERTENSION

Chairman: Mark E. Steinhelper, Ph.D., Assistant Professor of Medicine
University of Alabama at Birmingham

8:30 - 9:15 a.m.

High Efficiency Gene Transfer Mediated by Adenovirus-DNA Complexes

Steve "Frosty" Loechel
Senior Research Associate
Gene Therapy Program
University of Alabama at Birmingham

9:15 - 10:00 a.m.

Adenovirus-Mediated Transfer in Normal and Injured Blood Vessels

Patricia Lemarchand, M.D.
Post-Doctoral Fellow
Pulmonary Branch
NHLBI, National Institutes of Health
Bethesda, MD

10:00 - 10:15 a.m.

Break - Palm Beach - Lower Level

10:15 - 11:00 a.m.

Transcriptional Targeting of Heart and Skeletal Muscle

Michael S. Parmacek, M.D.
Assistant Professor of Medicine, Section of Cardiology
University of Chicago
Chicago, IL

11:00 - 11:45 p.m.

The FGF Family of Polypeptide Growth Factors in Angiogenesis

J. Anthony Thompson, Ph.D.
Professor of Surgery & Biochemistry
University of Alabama at Birmingham
Birmingham, AL

11:45 - 12:30 p.m.

Transgenic Animal Models for Probing the Human Renin-Angiotensin System

Curt D. Sigmund, Ph.D.
Assistant Professor of Internal Medicine
and Physiology & Biophysics
University of Iowa College of Medicine
Iowa City, IA